



Fig. 2a

AFPN: *Nco*I    I    II    III    *Bgl*II

AFPC: *Nco*I    III    II    I    *Bgl*II

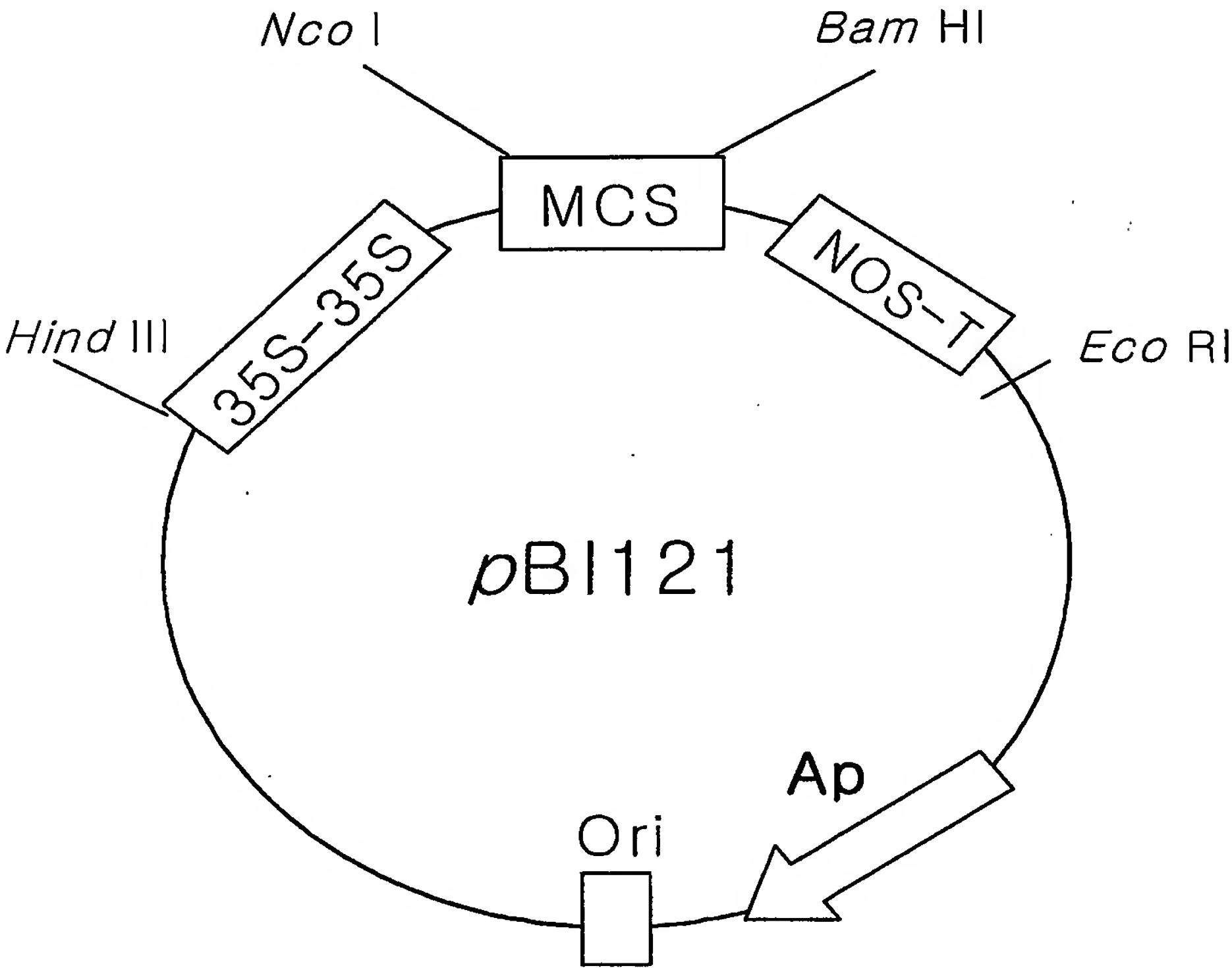
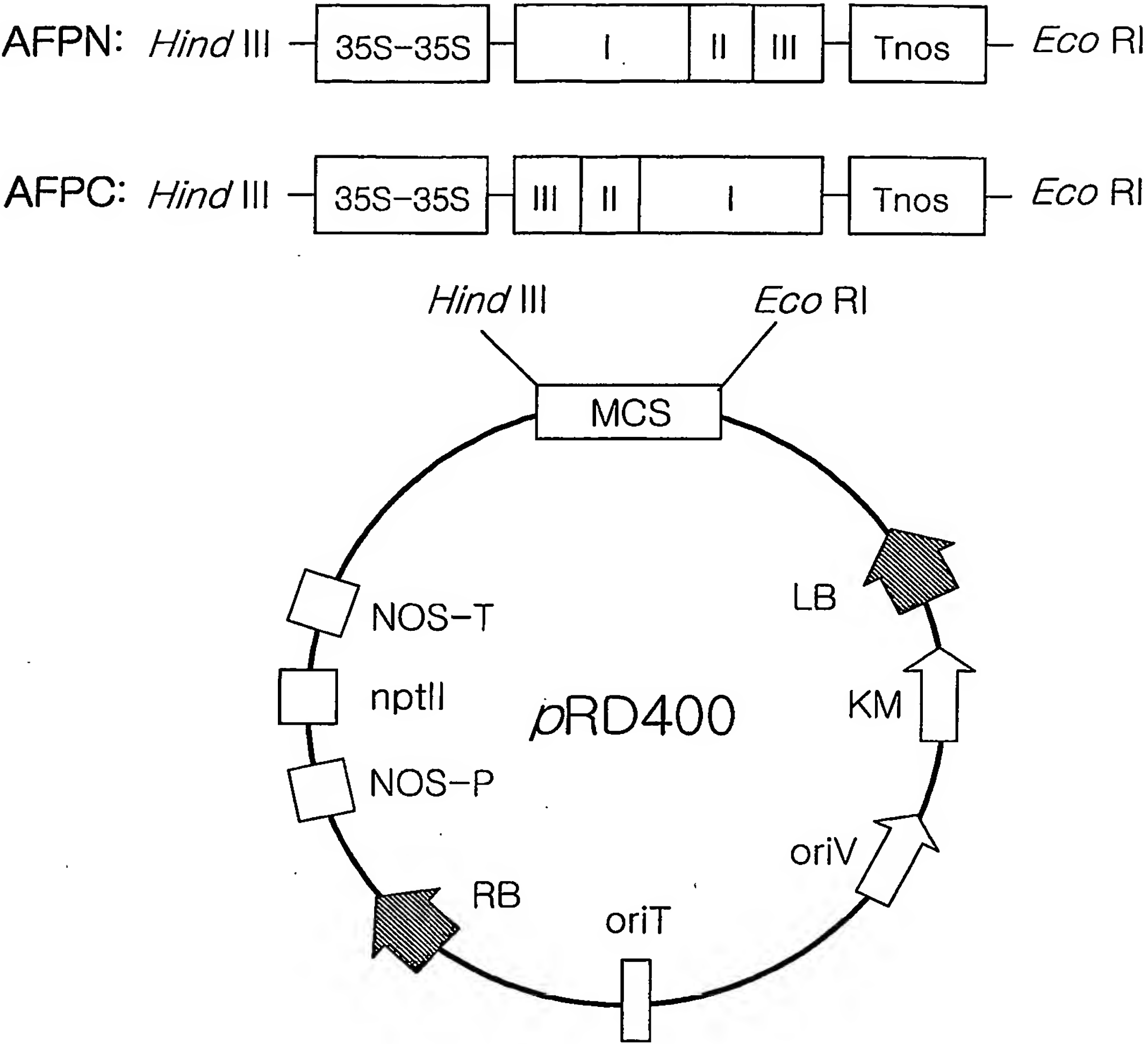
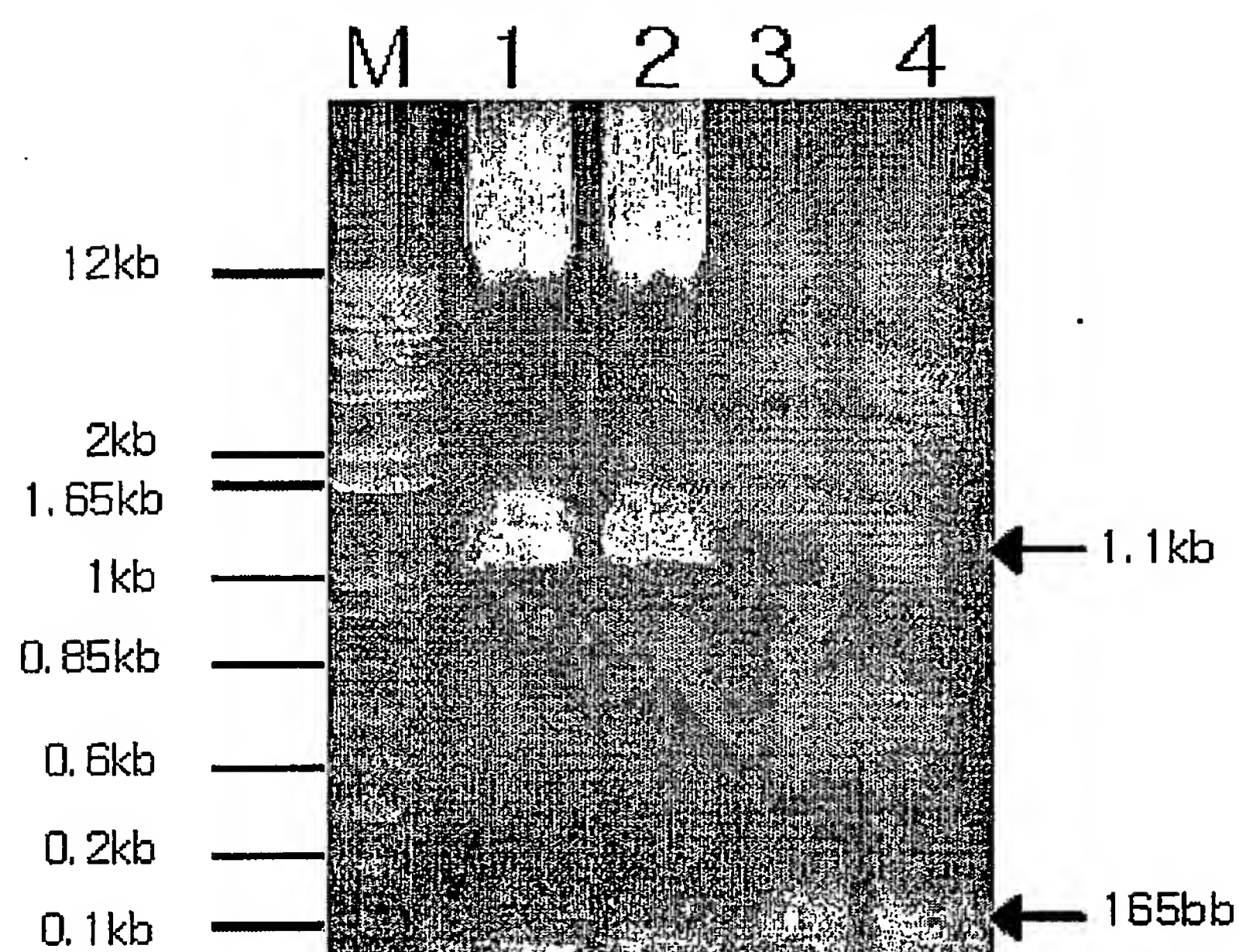


Fig. 2b



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Fig. 3

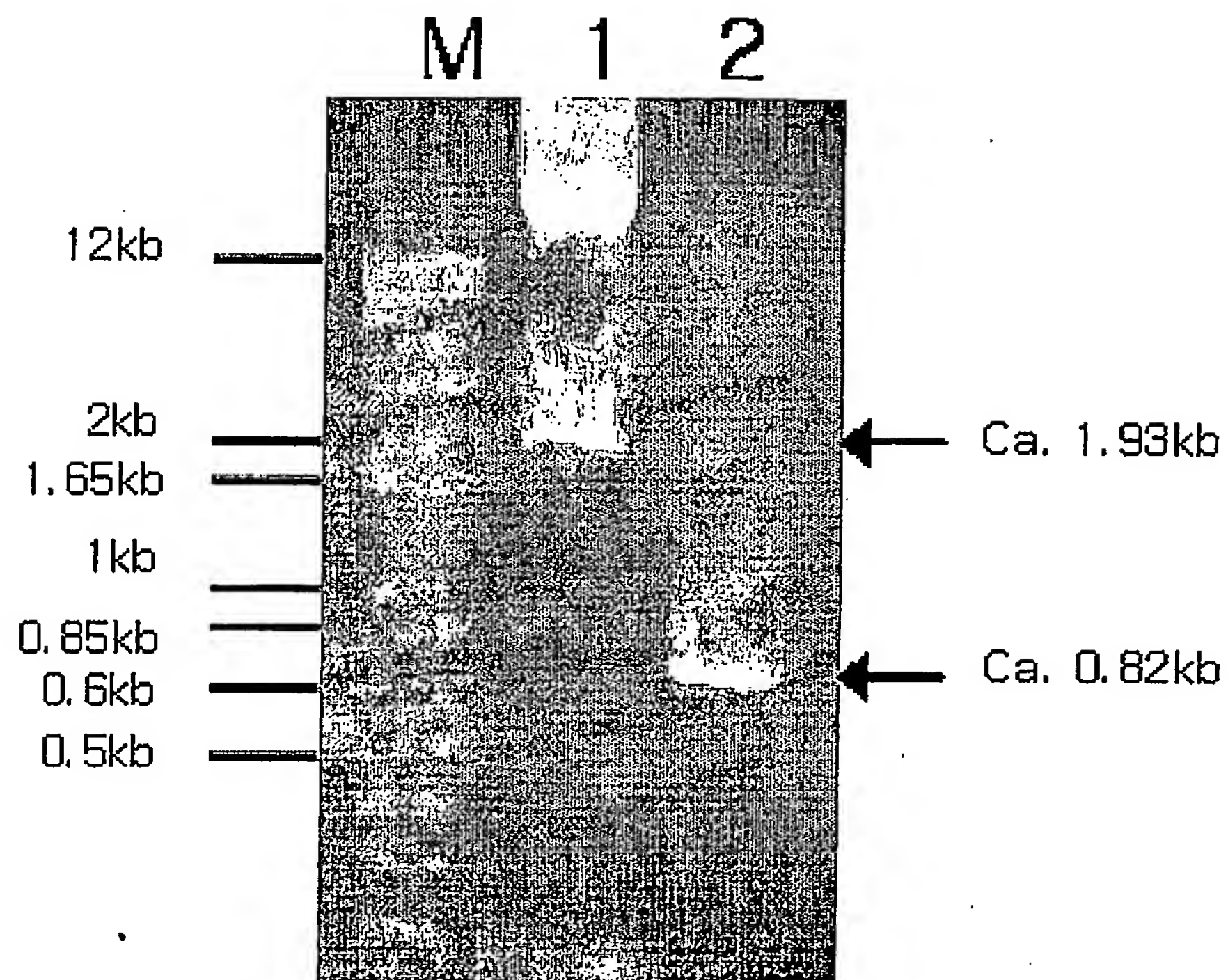


M: 1kb DNA ladder  
1:  $\phi$ RD400AFP<sub>N</sub>(/HindIII, EcoRI)  
2:  $\phi$ RD400AFP<sub>C</sub>(/HindIII, EcoRI)  
3: AFP<sub>N</sub> PCR product  
4: AFP<sub>C</sub> PCR product

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Fig. 4

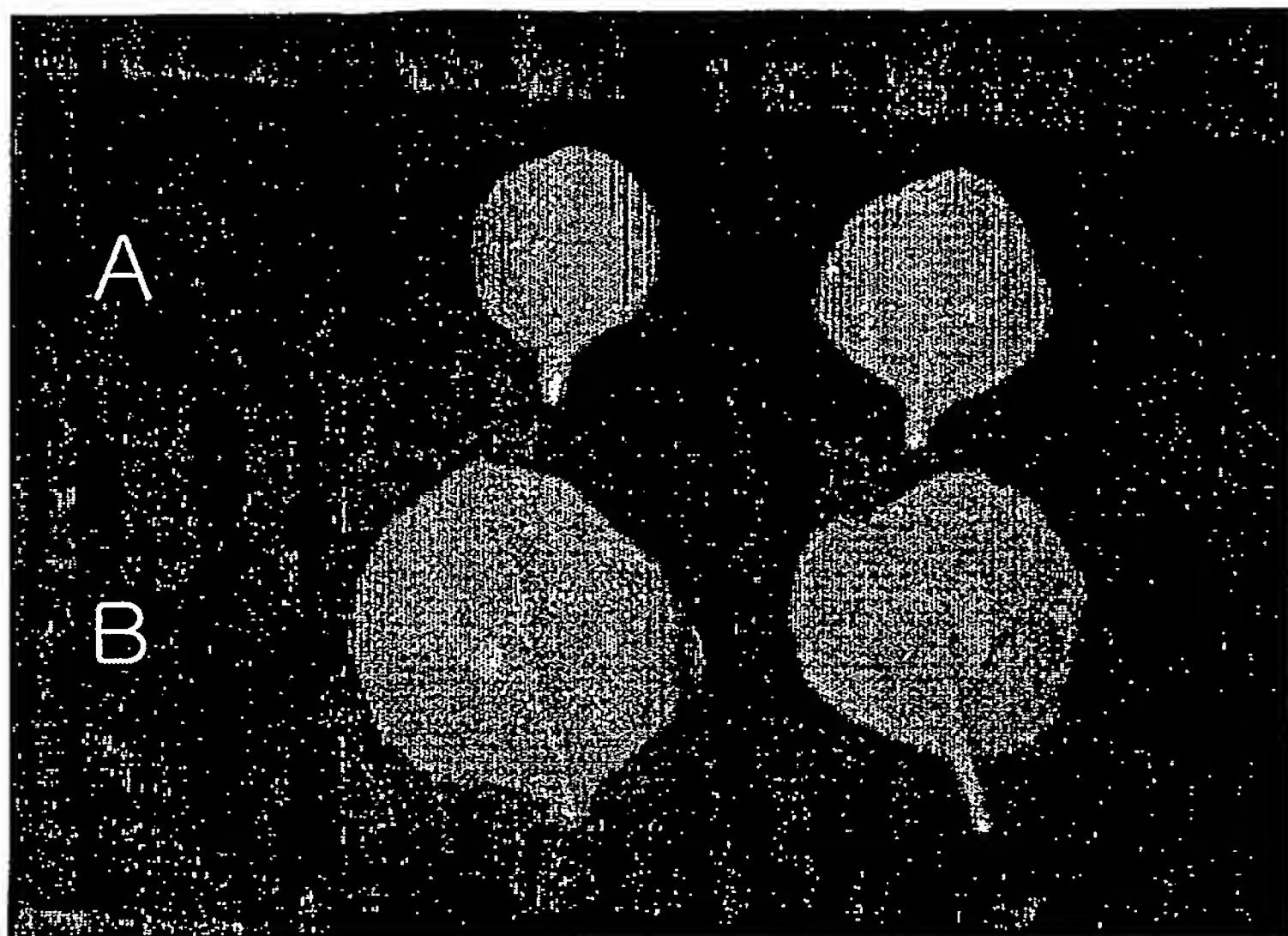


M: 1kb DNA ladder  
1:  $\phi$ RD400AFPN-GFP  
(/HindIII, EcoRI)  
2: AFPN-GFP PCR product

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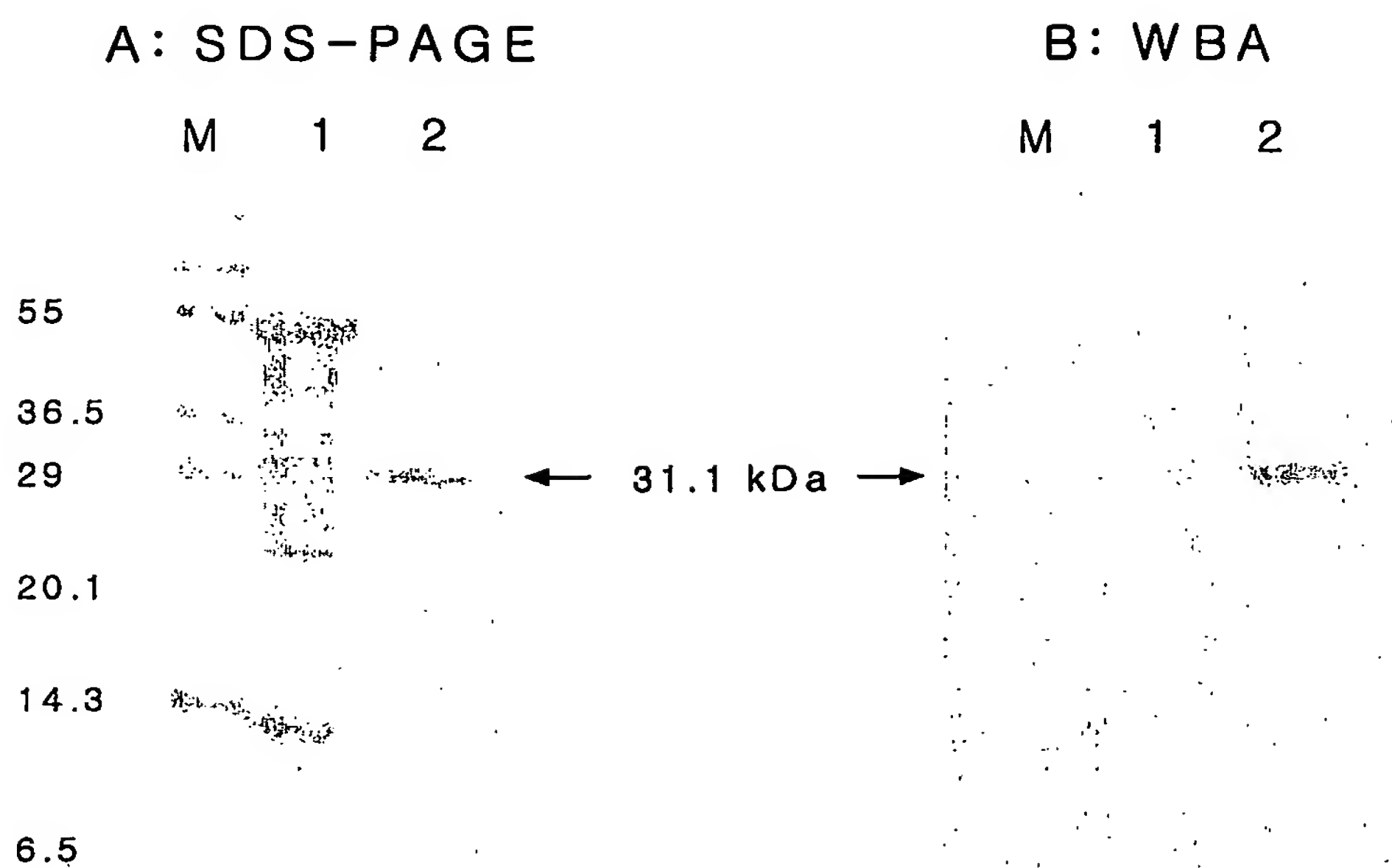
Fig. 5



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Fig. 6

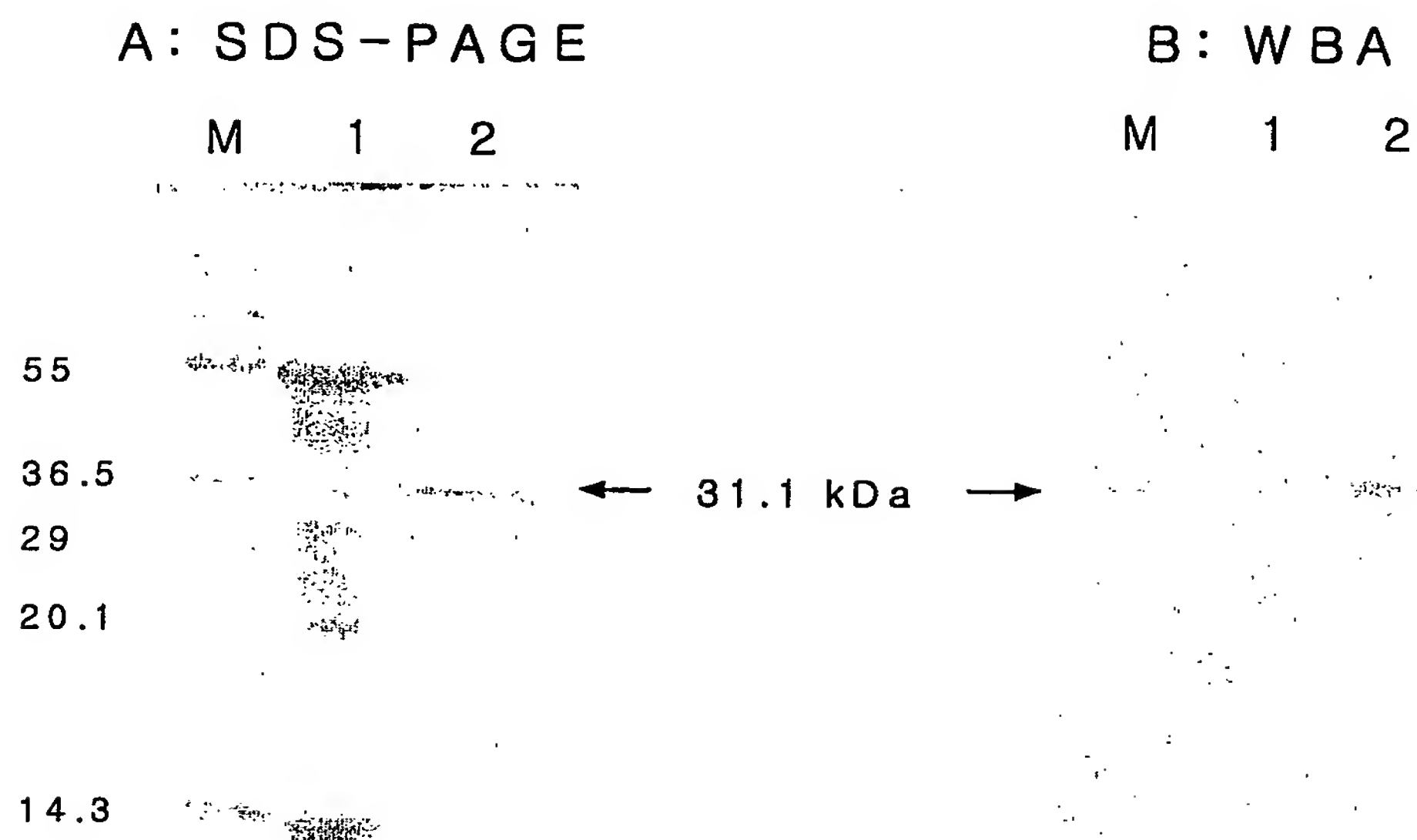


M : Molecular weight marker, 1 : Wt, 2 : AFP + GFP

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Fig. 7



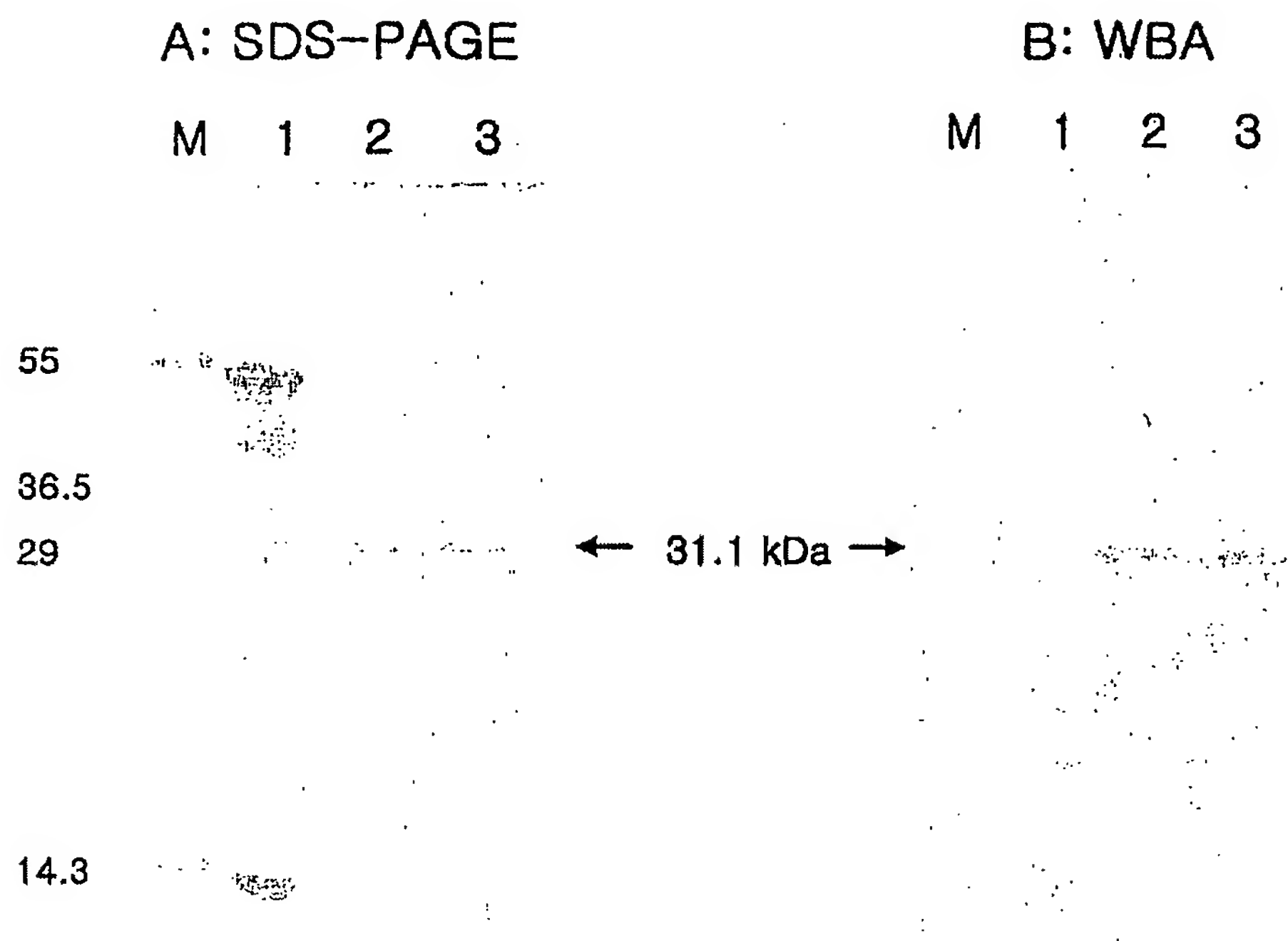
M : Molecular weight marker, 1 : Wt, 2 : AFP+GFP

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Fig. 8

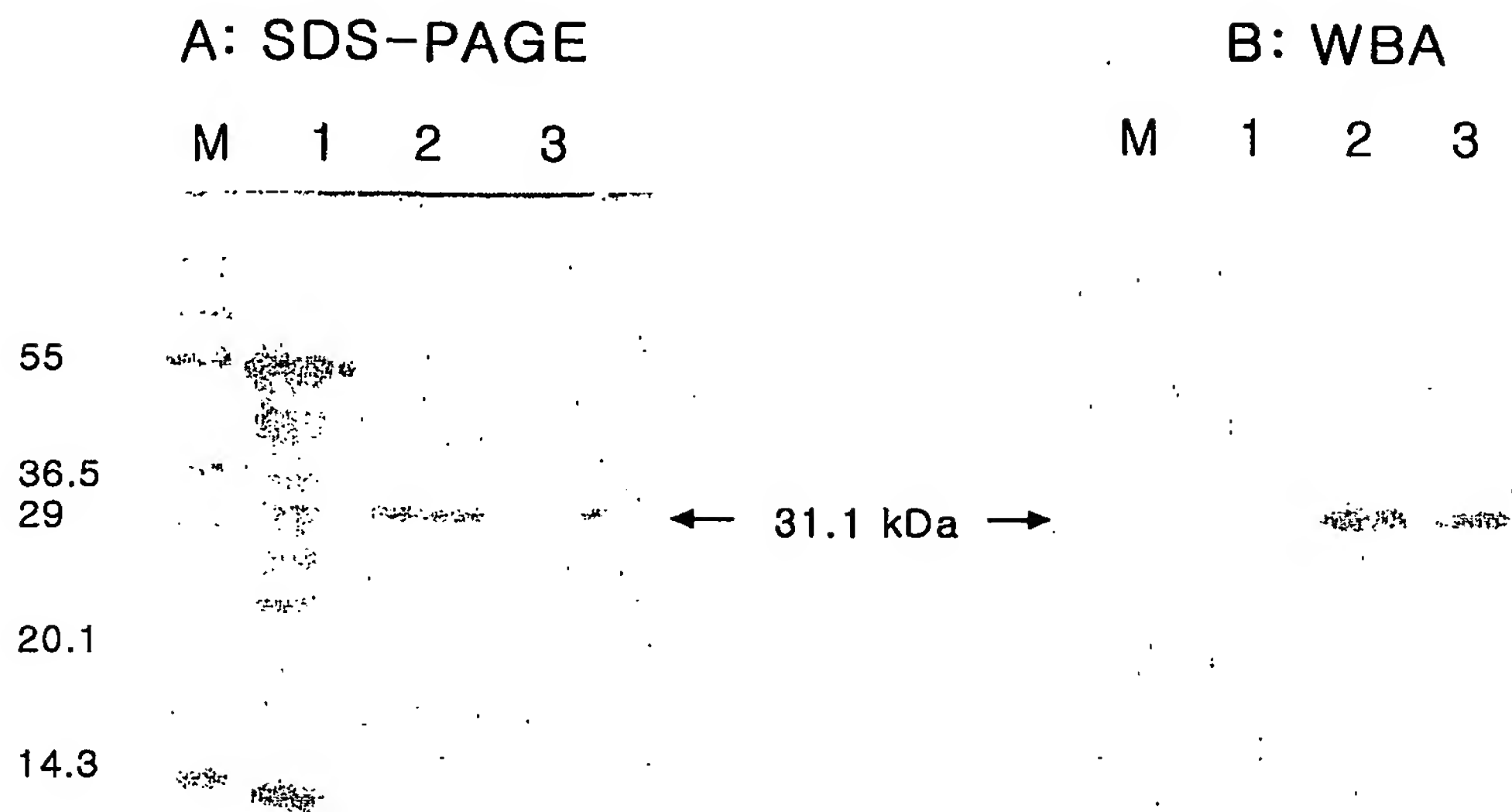


M : Molecular weight marker, 1 : Wt, 2 : AFP+GFP purified using silver iodide  
3 : AFP+GFP purified using *Pseudomonas syringe* as ice-nucleation material

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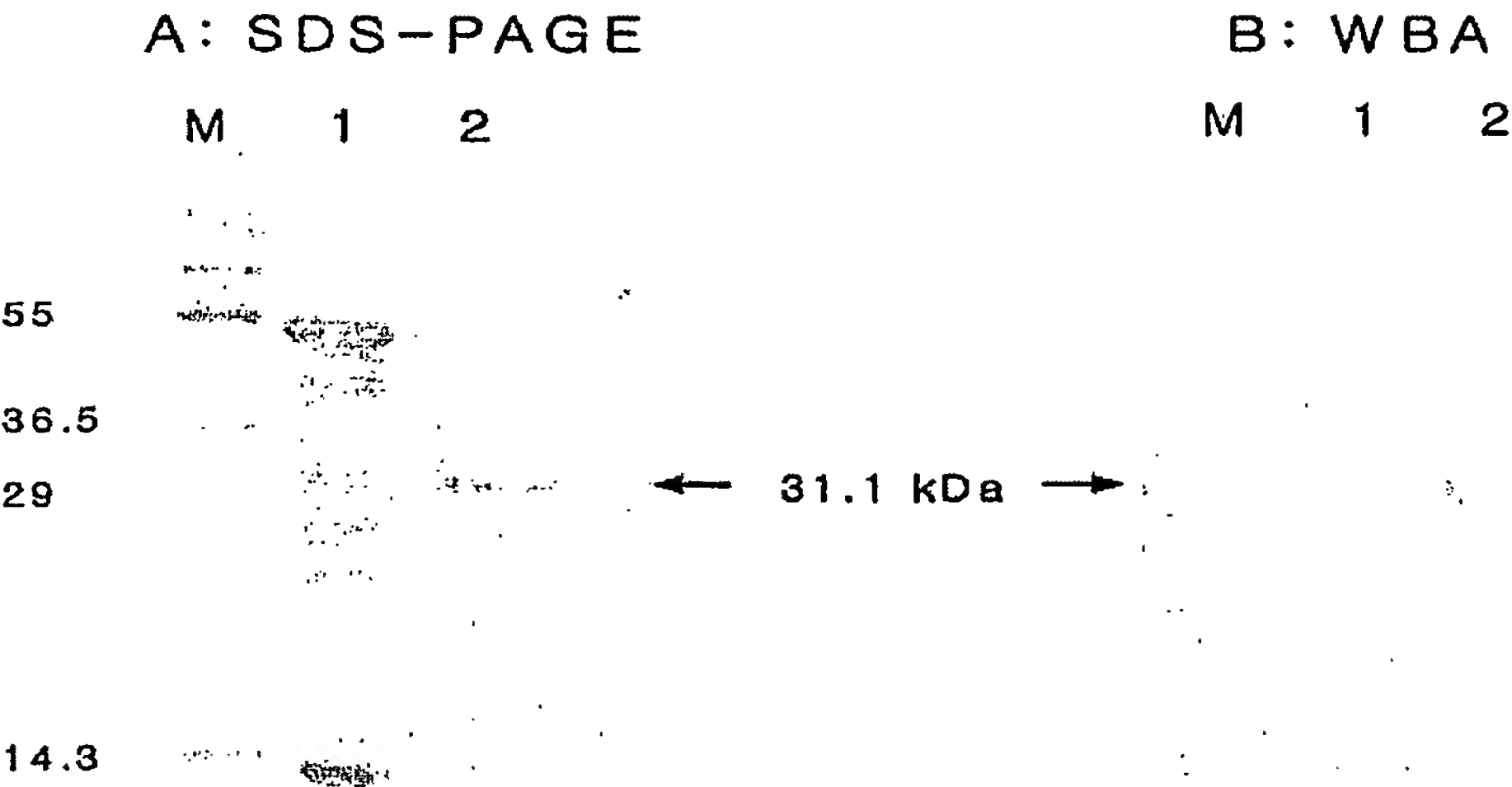
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Fig. 9



M : Molecular weight marker, 1 : Wt, 2 : 250 mM Sucrose, 3 : 15% Sucrose

Fig. 10



M : Molecular weight marker, 1 : Wt, 2 :AFP+GFP purified using a device

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Fig. 11

MDAPAKAAK TAADAKAAAA KTAADALAAA NKTAAAKAA AK